

23rd Annual
Inventory
of Airpower



Airpower in the Atomic Deadlock



# BIG LOAD - BIG LIFT BIG PERFORMANCE ARE BUILT INTO FAIRCHILD C-123

Managers load-corpying capacity and workhome dumbility are just two of the many structure why the Parachid C-123 Assault Transport is ideally scated to longly jobs in all combet with computing

... WHERE THE PURSON IS MANUARD IN LIGHT WARRY

surbit operations
Equipped with Franched 146 turbojets on each wear-lip, the
C-123 in provided with a power package of 2,000 lits estimthreat to meet new onticel interest or light requestment.

In from law openiums, on any server, under the most offieast conditions, the Parcellid C-123 point hey lood, shy lift, and tog projections where and white utility and logistics august is modeld.

A formum of Farrifold Engine and Attalant Connection. to each irrain. The Practice Codd socioes on the series with early late fast of field to see



control of contract teacher precincipated that in the C 111, control on each range of refer or no beautiful problem.

## FAIRCHILD



Specific Ry are 5-4-5. Scord-corner v. Science Section v. Section Section - Section 5- Section 1 Continued at 1 Data v. Notice of the Section 1 Se



Peterson - Board M. Barde A. HITTO - Brief 9 Sec. DODRESS BOTH I COLORS, Road Larky NEBELL PLYMS - Cred J Pulson ENTORIA ACCUPANTS Appearan - Jones Debuted STREET, MAIN SERVICE AND ADDRESS OF PRODUCTION AND RESIDENCE PROMPTER country and FT LANGE A C Straight of

DEPOLAND OF PARTIES OF

PERSONAL PROPERTY OF A COMMENT OF THE COMMENT OF TH





the NEW NIOWESTERN MODEL 591 for labouring or flight test



See this oscilloproph and many other of MIDWESTERN's test in-Show, March 19-22,

products • Enlargementes + Another

A few of its month features are 12 inch width records " Recording speeds from 002 to 129.9 inch diper second a Plag-in power emply units for immediate adoptation to 28 valor de ce 115 volts 60 or 600 cas porter source a Planta tirana agus which comide sizzing Boss of 401 uni/er 41, 01 and/or .10, or .10 and/or 1.0 sectind mercycle \* Precost

OSCILLOGRAPH



MIDWESTERN INSTRUMENTS











Cover "Terrer" Safess-to-Ale Hasiles

### with "American" welded components



WELDING

Saving Defense

The topopting positic usually pleasest Dreit forms a being a foreign mouth a delite. Inhally treating net cut on vary with both hands. Amminist an inharm, seeing the properties of the properties of the properties of the rather from the topological position. The properties of the rather companies of contract constraints of the the wide companies of contract constraints program in the wide companies of contract contract program in the wide companies of contract and that wide class ments for jet siccord regards, galded united person and many other products of constituting them and many other products.

THE AMERICAN WILLIAM PROJECT STREET
THE AMERICAN WELDING & MFG. CO.

### Why Whittaker Ratio-Flo Pump has a Five-to-One Advantage

The answer is the retor—beart of the Whitteker Rain-do unit. Entury new in concept, it has one-volution abnost too completed to define. Yet Whitteker's special machine forms this part

The actio-fix roter is a circular convinceous vize formed in a stransdall undulation about a cylindrical field in Hastaine of the ware results in a positive displacement, unsform pumping action providing a higher code of positive displacement than any other type of impeter, displacement than any other type of impeter, displacement than any other type of impeter, displaces less



This versistle with, without any modelections, could firely two or asset fewer, pring and divide two or more fewer, plant two or more fewer, and two or more fewer, years and join two or more fewer. Year Whittisher Field Requiese and giax you detailed indirection about them now fast youngs, so page, few points and frow divident using the material program with you test in teach with

is Why not get in teach with not not need a conveyage punp to first or much a conveyage punp.



E & WHITTAKER CO. LTD. MS N CITRUS AVE LOS ANGRESS SE, CALIF WHE A WILLPEAKER CO. LTD TO N CYTEKS AVENUE LOG ANCELES IN EALIFORNIA

vefance. Izwe send so farther information us Satio-Flo Pump

### now...a trouble spotter and a trouble shooter



ELABO Characteristics

### IN ONE COMPACT NEW DUAL-SENSING PRESSURE SWITCH

system considers at the same or different operators. Then,



THE BRANCH BY BUT DES GRAY OF THE CHIPES STATES

### ... the place to go for precision machining and fabrication



**ALLIS-CHALMERS** 

Aural flow compensors healt by A. C. fay Ceptus Wyorks Stit bedward





## MAGNETIC TAPE RECORDER you help yourself get the key facts faster

The Ampex 800 that yes install in year elevents is a vited ligh in a year date speed-on areasaw. Proconductota on moquetic fope in a form

The Ampex 800 has all the prestical requirements for either an recarding in the

Tay have greatest occurrence of date commetted by when you choose the Arapes \$30. Among Connection is prepared to pive information



### DELIVERING **NEW CONCEPTS in** AVIONICS

- **NEW in TECHNIQUE! NEW IN DESIGN!**
- NEW to SIZE! Built for PRECISION, ACCURACY, and PERFORMANCE Among recent developments are:
- distinction of aircraft in regarded coordinates, from an the LORAL AUTO CAL A frequency extincion which catehow within an occupant of \$35%. THE LORAL AUTOMATIC SHORT BANGE GROWNS POSITION INDICATOR As 18 point surgetonal camputer ARCEAST between thes, sORAL is continuing the development
  - We welcome any apportunity to could in your engineering problems related to eleberat equipment, LORAL has delivered as suelly many millions of deliors of ELECTRONIC EQUIPMENT



**ELECTRONICS CORPORATION** 



ANOTHER FIRST BY



Integrating Gyro



Geocelosf Manaforouting Company, on a producer of Integrating Opencealized the need for a Dynamic Integrating Gyro Serve Test Table. This Test Thile was designed and developed to facilizate the overlandous of Integrating Gyros, and Geocelosf now makes this valuable test unit available to include.

The Gyra Serve Test Table one revasare the following observateristics:

1. The drift spin of the grea and,
2. Manager and directable.

 The correct predict ongolor valuelty serdiving onto
 The development of the Property of the Conference
 The development of the Property of the depolar valuelty development
 The development of the Property of the depolar valuelty development

The characteristic time.
 The coupler velocity input voltage rate
 Signal per
 Signal per

Since a first interval mater is incorporated in the system, the following data can also be obtained: 10 Spin mater excitation frequency.

14 Systel parameter will adopt voltage

Spin more machine valloge in oddfate the Adjusteg service du meles
 Spin operandos curses.
 Sgrol generator excention survere.



7814 Mephward Industrial Cost 5 St. Levis 17, Missouri Freduces of the HSG-3 and HSG-4 Gyror, Sets and Free Gyros, Officertial Fressur Mach Mates, Air Speed Industria, Computers, Switches and



## Here Are a Few of the Jobs It Is Doing:



ALTERNATOR

CANN SUPERCHARGING







HORIZONTAL STABILIZER



### What Can It Do for You?

These believeright, namenot, highly efficient hydrosite maters prevale 12% . : their velocetic afficiency exceeds 96% from mexicum spend in from 116 to 167 of a revolution . . will perspected from stoodsfill to manifests assent in two 00019 to 0055 see (depending on sire). They can be stailed sadefinitely without Weters Hydrodic Hotors have more uses on oligraft . . . just a few of them are shown above. Wherever you need high torque, high officiency and high horsesswer-weight rate . . . at where insteam-

Application Englished and Solvies (Shape)

Il Japania, Collinate, 1101-9 Japania Highway
Arlagion, Team, F.O. Sox 312

Ontol 33, Workpan 1602 Outnigs Shal

ENGINEERS AND BUILDERS OF OIL MEDITABLE EQUIPMENT SINCE 1921

## RELIABILITY

Dependable performance is a source-contrary tradition at Motorolathe world's largest exclusive manufacturer of electronic equipment Under subcoassace to Convent, Mosseola expressed for reliebility and is now producing the guidance equipment for the Navy's new all-weather anti-aircraft attitude, the "Torrier". Pulling ster to analytical Parisons and Physicists

### MOTOROLA COMMUNICATIONS & SLECTSONICS OF STATE

THE R. STATES AND ADDRESS OF LAND STATES PRINCIPLE AND PARTY AND P



